

ABSTRACT OF THE DISCLOSURE

5 A bearing unit includes: a housing; a shaft passing
through the housing and rotatably supported on the housing;
and a pair of rolling bearings disposed between the housing
and the shaft and fitted to two positions on the shaft, which
are axially spaced apart from each other. At least one
rolling bearing has an inner ring press-fitted to the shaft.
The inner ring defines an intermediate portion including
an inner raceway surface. A reduced diameter part having
10 an outer diameter smaller than the inner diameter of the
inner ring and a predetermined width in the axial direction
is formed on the shaft at a position corresponding to the
intermediate portion so that inner circumferential surfaces
located at both ends of the inner ring in the axial direction
15 are interference fitted to the shaft and the inner
circumferential surface at the intermediate portion thereof
is clearance fitted to the shaft.